

Subject: glowbugs V1 #166

glowbugs

Sunday, November 30 1997

Volume 01 : Number 166

Date: Fri, 28 Nov 1997 14:34:16 -0500 (EST)

From: rdkeys@csemail.cropsci.ncsu.edu

Subject: Please help this person (fwd)

Forwarded message:

```
> From owner-glowbugs@www.atl.org  Fri Nov 28 12:20:16 1997
> Message-Id: <3.0.32.19971128104659.0075ale4@mindspring.com>
> X-Sender: ab4el@mindspring.com
> X-Mailer: Windows Eudora Pro Version 3.0 (32)
> Date: Fri, 28 Nov 1997 10:47:01 -0500
> To: glowbugs@www.atl.org
> From: Steve Modena <ab4el@MindSpring.com>
> Subject: Please help this person
> Mime-Version: 1.0
> Content-Type: text/plain; charset="us-ascii"
> Sender: owner-glowbugs@www.atl.org
> Precedence: bulk
>
>
> I received the following note (see below) at my Website where I
> "rebroadcast" BOATANCHORS
> and GLOWBUGS via http://SunSITE.unc.edu/modena/hamradio.html.
>
> Please help Andre out by email ( i.e. do not reply  to me.  :^)
> --
> 73/Steve/AB4EL
>
> -----Cut Here-----
>
> >>From: andre <andre@italnet.com.br>
>
> Dear Srs:
> I'm a research in audio tube circuits and need informations(datasheets,
> pinouts, etc) of the next tubes:
> 6111
> EC760
> DC762
> I would built news microphones and desire test this small tubes in my
> new projects.
> What the directions to take this informations?
> --
> Whith my best regards, thanks a lot  Andre from Brazil
> andre@italnet.com.br
```

Can someone send him the pinouts for these tubes?

Bob/NA4G

Date: Fri, 28 Nov 1997 13:41:42 -0500
From: "carl yaffey" <cyaffey@sprynet.com>
Subject: Chirpy Ranger

My Ranger chirps on 40M only. It's fine on 80 and 20. It has the keyer mod and it's adjusted properly.
The chirp only shows up when running in CW position - not in TUNE. The spot signal is OK as well.
Could this have something to do with the VFO being on 40M? RF feedback? Any suggestions?

- -----
Carl Yaffey; cyaffey@sprynet.com; 614 268 6353;, Columbus OH, K8NU
Yaffey Software Development, Inc.; Banjo player for One Riot One Ranger.

 /~~\\
 |###| |=====|***|
 __//

Date: Fri, 28 Nov 1997 19:02:08 -1000
From: Jeffrey Herman <jeffreyh@hawaii.edu>
Subject: QRPers discover Frank Jones (fwd)

Snagged this off the Boatanchors list // Jeff KH2PZ

- ----- Forwarded message -----
Date: Fri, 28 Nov 1997 13:49:48 -1000
From: MNHopkins@aol.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: QRPers discover Frank Jones

Over on QRP-L, the 2,000 member white noise generator that also does QRP, someone has actually built a regenerative detector single IF superhet -- a Frank Jones Super Gainer. Cannot say who might have catalized that, but felt it my duty to say they were on ground where many had tred before -- less they think the things came from Kyoto or Dolly Parton Parkway.

here is the post:

Now that KD1JV, Steve, has actually brought one back to life, its time to restate what Frank Jones was after, and why, when he gave us the first one back in the 5M days of 1935.

Frank, W6AJF, was after the benefits of the superhetrodyne scheme without any of its complications. He wrote the book "The Radio Newcomer," recently available in reprint here, "Five Meter Radiotelephony," and was also the Editor of the West Coast Handbook (I am gathering an annotated bib on Frank Jone). Since he was writing to get more people on the air, he wanted simple circuits. Some are remarkably so like a one-tube 5M transceiver (56-60 mc) from a 1934 Popular Science and the 5M Radiotelephony

book. His readers often did not have any test equipment at all, so a specific IF was as elusive in practice as in concept to them. Let it be known and recalled: image rejection was not a goal in the original Super Gainer. The 5M one used an intermediate frequency as low as 35 kc (0.0000035mc) or so and of images Frank said "tune the better one." Jones, and Maj. Armstrong when he was walking around in France in WWI simply wanted signals down low enough to use a regenerative detector. It is problematic how close they were to the Direct Conversion scheme back then -- perhaps very close.

Later, when he refined the concept for HF, Jones began to use 455 kc and prefer a specific iron core transformer of the type used in the McMurdo Silver Super Gainer kits in the late '30s, but still the idea was the same: build a one-transformer superhet without an IF amplification stage followed by the proven regenerative detector that every one then understood and accepted. This was proletarian radio at best and seditious squandering of technology to the masses at worse -- the things really worked and would run with the best commercially available rigs when the regenerative, not super-regenerative, detector was mastered. It was a classic and like most classics it comes back.

The last Super Gainer is described in CQ for November, 1957 and repeated in CQ Amateur Radio Anthology II, 1952-1959 at page 129. He said he had been getting letters for 20 years and shows a final version built for a friend who wanted speaker output -- the ancients were all earphone persons. The new Super Gainer has an RF amp and a v.t. (6AB4) TR switch front end. The IF is about 500 kc, which was the frequency of an at-hand surplus crystal, and a single stage of IF amplification was added to make up for the one-crystal filter's losses. Those of the Buick Roadmaster theory of Radio -- one control -- will loath the late Super Gainer, too, as it requires one to adjust the crystal filter (a godsend to CW ops) as well as the regenerative detector. "[It] is too selective for 'phone," Frank admits, but in typical straightforwardness, he bends the crystal filter phasing cap over at the edge so it can be shorted out.

No one has described an optimized Super Gainer with modern devices. Frank switched to FETs late in life, but if he took the S-G up, we do not know. Most of his stuff is in a landfill in W6 land, but he left a legacy worth pursuit.

Resources:

A diagram of a Frank Jones Super Gainer for 5M is shown (unattributed) in Bill Orr's column in CQ for November, 1997 at page 51.

For those who want to see the '57 version, I will send a copy for the customary \$1 and an SASE. Address below.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham

products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Sat, 29 Nov 1997 09:08:00 -0600 (CST)
From: Kevin Pease <hamradio@mm1001.theporch.com>
Subject: Regenerative RX's

The following URL has an interesting Regenerative RX using 2 6u8 tubes.

Check it out: <http://www.nsknet.or.jp/~ja9mat>

Kevin Pease
WB0JZG
Mount Juliet, TN.

Date: Sun, 30 Nov 1997 19:19:38 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: AWA event underway!

Hello Antique Electronic Afficionados!

The first segment of the AWA event took place (or is taking place until 1800 EST Sunday) last night! Lots of weak chirping, drifting, rigs trying to punch holes in the 'ether'!

I managed to work 9 of them! There were TNT, TPTG, Hartley and even one MOPA rig worked! All 1929 designs or earlier. The rig here was a single '10 Hartley out of the 1929 ARRL Handbook. (The same rig appeared in Sterling's "Radio Manual" as well! Running about 300 volts on it at about 30-35 ma cathode current.

You people out there who missed it or have a self-excited oscillator or rig that is 1929 or earlier design, join in next weekend for the 2nd segment of the AWA event!

Heard were: N5RB, AA4RM, W2ZM, K5CF, W2ZE, W5WS, W2ER, KJ8L, and K8BHZ. There were others there who I couldn't copy due to a persistent line noise!

73 and ZUT,

E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive
Metairie, LA., 70001

860 Hartley 'ECO' under construction**
*** Looking for a TRC-10 transceiver *****
*** Looking for an RAL receiver *****

End of glowbugs V1 #166
